

DEPARTMENT OF ENVIRONMENT AND CONSERVATION STATE REVOLVING FUND LOAN PROGRAM

PROJECT PERFORMANCE STANDARDS

Project Name:	CWSRF Project No.:			
The following Project Performance Standards (design data) shall appropriate the performance of the project. The Performance Certification project's Initiation of Operation.				
Raw Wastewater				
Daily Flow: Average: MGD Peak: MGD				
Average Daily CBOD ₅ (conc.): Average Daily CBOD ₅ (amount): Average Daily Suspended Solids (conc.): Average Daily Suspended Solids (amount): Average Daily Ammonia (conc.): Average Daily Ammonia (amount):	_ lb/day _ mg/l _ lb/day _ mg/l			
Primary Settling				
Percent reduction: CBOD ₅ :	Suspended Solids:			
Secondary Treatment Units				
Effluent: CBOD ₅ :	mg/l and lb/day			
Suspended Solids:	mg/l and lb/day			
Ammonia:	mg/l and lb/day			
Minimum Aeration Basin Dissolved Oxygen:	mg/l and lb/day			
Disinfection				
Effluent: colonies/100 m	nl			
Effluent: colonies/100 m Chlorine Residual: mg/l				
Post-Aeration				
Effluent Dissolved Oxygen: mg/l (minimum	nt Dissolved Oxygen: mg/l (minimum)			

Sludge					
Thickeners Thickened S Minimum Percent S	ludge: Solids:	lb/d	ay		
Digestion Digested S Percent Volatile S Residence Minimum Temper	Solids:	lb/d °C	ay		
Dewatering Dewatered S Minimum Percent S	ludge: Solids:	lb/d	ay		
Disposal S Application	Solids:	lb/d	ay cre/day		
Lagoons					
Effluent:	Sus	CBOD ₅ : pended Solids: Ammonia:		mg/l and mg/l and mg/l and	lb/day lb/day lb/day
The seepage rate the drop, which corresp	nrough the lago bonds to a 7.3 x	on base and dik 10 ⁻⁶ cm/sec. co	tes will not be efficient of per	greater than 1/4 in meability.	ch/day of water surface
Land Treatment					
The runoff from the	e site will not ca	ause erosion or i	result in surface	water or ground v	water degradation.
Application Rate:	gp	d/acre			
Plant Effluent					
<u>Parameters</u>	Monthly	Average	<u>Weekl</u>	y Average	Daily Maximum
	(mg/l)	(lb/day)	(mg/l)	(lb/day)	(mg/l)
CBOD ₅					
Suspended Solids Ammonia as Nitrogen					
Total Chlorine Residual Settleable Solids Dissolved Oxygen Fecal Coliform pH	:	mg/l (i mg/l (i coloni	maximum) maximum) maximum) es/100 ml		

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Minimum Influent Percent Reduction (30-day average, 85% - 65% Rule) CBOD ₅ : Suspended Solids:
Interceptors, Collectors
Interceptors/collectors will meet infiltration/exfiltration/air testing requirements as specified in Tennessee's Design Criteria for Sewage Works and SRF-approved project specifications prior to initiation of operation.
No bypassing/surcharging will be caused by inadequate capacity in the newly constructed interceptor(s) or collector(s) following the completion of construction.
Infiltration/Inflow Correction
Bypasses, overflows, and surcharges will not occur in the newly constructed/rehabilitated portion(s) of the collection system following initiation of operation.
Infiltration/inflow work will be performed in accordance with the SRF-approved plans and specifications.
Infiltration/inflow will not result in non-compliance with the wastewater treatment facility's National Pollutant Discharge Elimination System (NPDES) Permit following initiation of operation.
Pump Stations
Peak Capacity: MGD
Peak Capacity: MGD Total Dynamic Head at Peak Capacity: ft
The pump station(s) will have adequate capacity to prevent bypassing/surcharging from occurring following initiation of operation.
Consulting Engineer

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Date